1st and final Bill

Work code :

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426634

Est. Cost, 100.00 Lakhs.

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .Sri. B.M. Muniraju #432/A Unnati nilaya 1st Main

Date of commencement of work .....1st Cross Shivashankara Block Hebbala · B.lore-24

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work order NO :- BBMP/EE/BTP/WO/217/2018-19						
	JOB.NO = 006-18-000038, 006-18-000044, 006-18-000047						
	Date of Recording = 08.11.2019						
1	Earth Work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m. excavated surface levelled and sides neately dressed. the disposed earth to be levelled neatly after breaking of Clods.						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Complete as per specification.						
	Rate: 198.42					593.44	117750.00
	Qty as per premeasurement Recorded vide Page NO1 and 2						
2	Removing & Refixing Stone Slabs of drains and Pointing in C.M(1:3)						
	Rate: 85.51					625.77	53510.00
	Qty as Per pre measurement Recorded vide Page No.2						
3	Providing granite slabs of selected quality roughly dressed and fixed in cement morter (1:6) including fixing curing etc.. Complete. 7.5 cms thick.						
	Rate: 706.62					1647.63	1164248.5

Qty as per measurement Recorded vide Page No 1 'E' Bill

Scanned by CamScanner

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426635

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	[4] Providing and laying in position plain cement concrete of mix 1:3:6 with OPC Cement @ 220 Kgs. with 40mm and down size graded granite metal Coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 Cum. Machine mixed. Concrete laid in layers not exceeding 15 cms. thick. well Compacted in foundation including cost of all materials. labour. HOM of machinery Curing Complete as Per specifications.						
	Rate: 5677.71					335.78	1906461.00

Qty as Per Pre measurement Recorded vide Page No.3

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
[5]	Providing and fixing RCC Precast Cover Slab of 250mm thick for drain in Cement Concrete M20 using graded granite Jelly 20mm and down size with steel reinforcement. Including form work lift Charges. Curing and Concrete finshed surfaces on both sides etc. Complete and as per drawing and the directions of Engineer in-Charge. (Data Rate)						
	Rate: 5644.00					137.50	776050.00
	Qty Measurement Recorded 'E' Bill Page-2						

Scanned by CamScanner

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426636

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
6	Excavation for road work in soil with hydraulic excavator of 0.90 Cum bucket capacity including and loading in tippers, trimming bottom and side slopes in accordance with requirements of lines. grades and cross sections. and transporting to embankment location and complete as per specifications,						
	Rate: 157-91					1413.95	223277.00
	Qty as per measurement Recorded vide Page No. 4						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
7	Providing laying spreading and Compacting grade Stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mix plant Carriage of mixed material by tipper to site. laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the disired density. Complete as per Specifications. Rate: 1876.82						
	Qty as per Premeasurement Recorded vide page No. 5					957.60	1797243.0

Scanned by CamScanner

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426637

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
[8]	Providing and applying primer coat with SS bitumen emulsion on Prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specification Rate : 31.51						
[9]	Qty as per Premeasurement Recorded vide Page No. 6 Providing and applying tack coat using 80/100 grada bitumen (VG 10) Prepared black topped surfaces at 2.5 kg per 10 sqm. heating bitumen in boiler fitted with spray set					3830.40	120696.00

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measureme
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(excluding Cleaning of Road Surface) including Cost of al meterials. labour. HOM of machineries complete as per Specifications.						
	Rate: 13.50					3830.40	51710.00
	Qty measurement Recorded 'E' Bill Page No. 2						
10	providing and laying bituminous concrete 30-40 mm Compacted thickness with VG30 Bitumen grade using 40-60 using crushed aggregates of grading II. Premixed with bituminous binder at 5.4% of mix and filler. transporting the hot mix to work site. laying with a Mechanical Pave finisher to the required grade, level and alignment rolli						

Scanned by CamScanner

M. A. R. 57 (Rule 116)
Measurement Book

No. B

426638

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	With smooth wheeled vibratory and tandem rollers to achieve the desird Compaction as per MORT &H specification clause No 500.9 Complete in all respects as per specifications.						
	Rate: 8506.44					153.22	1303357.00
	Qty measurement Recorded 'E' Bill Page No. 2 and 3						
II	Providing and laying of hot applied thermoplastic Compound 2.5 mm thick including reflectorising glass beads at 250 gms per Sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC 35 the finished Surface to be level.						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	uniform and free from streaks and holes Complete as per specifications.						
	Rate: 576.10						
						155.60	89641.00
	Qty Measurement Recorded 'E' Bill Page No. 3						
12	Providing and Constructing granite size stone masnonry in foundation cement mortor 1:6. Stone hammered dressed in courses not less than 20 cms high bond stones at 2m. apart in each course including cost of materalals, labour. Curing complete as per specifications.						
	Rate: 4711.17						
						49.86	234899
	Qty Measurement Recorded 'E' Bill Page No. 4						

Scanned by CamScanner

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426639

erial No. .....
ame of Work ..... From..... To.....
ame of Contractor of nature of Agency .....
ate of commencement of work .....

)ate	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
13	Providing flush pointing to Square rubble. Course or uncoursed Stone masonry With cement mortar 1:3 20mm deep. after reking Joints to depth of 20mm nicely lining. Including Cost of meterials labour. Curing complete as per specifications. Rate: 109.14 @ty Measurement Recorded E Bill Page No 4					83.10	9070.00
14	Providing and laying in position plain Cement Concrete of mix 1:2:4 with cement @ 240 kgs. with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregate						

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measureme
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	@ 0.459 Cum. Machine mixed. Concrete laid in layers not exceeding 15 cms. thick well compacted. In foundation and Plinth. Including cost of all materials, labour. HOM of Machinery. Curing Complete as per specifications,						
	Rate: 6122.16					5.94	36366,00
	Qty Measurement Recorded E'Bill Page No. 4						
15	Cement Concrete pavement. Construction of un reinforced Plain Cement concrete pavement. thickness as per design. over a preparad sub base with opc cement or any other type as per clause 1051.2.2 design mix M20/M30 with 25mm and down size graded granite metal course aggregates						

Scanned by CamScanner

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426640

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and fine aggregates with Superplastisisey @ 3 lts confirming to IS 9103-1999 Reaffirmed-2008 mixed in a Concrete mixer of not less than 0.6 Cum Capacity and appropriate weigh batcher as per approved mix desigh laid in approved fixed side form work (Steel Channel. laying and fixing of 125 micron thick polythene film. wedges steel plates including levelling the form work as per drawing) spreading the Concrete with shovels. rackers compacted using needle. screed and plate vibrator finished and etc --						
	Rate 6600,36					213.95	1412147.00

Qty Measurement Recorded 'E' Bill Page No 5

Scanned by CamScanner

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurem
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
16	Vaccum de Watering with Vaccum pump and Suction mat and Compaction with skin floater clubbed with floating disc including cost of generator Hom of machinery. Screed vibratory. Power floater. blade and disc etc.. with all lead and lift.						
	Rate: 101.27					2139.50	216667.0
	Qty Recorded vide .E.Bill Page No-5					Total R	9513092

C/Pt

8/11/2019

ಸಹಾಯಕ ಇಂಜಿನಿಯರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬೆಂಗಳೂರು-24

ಸಹಾಯಕ 8-11-2019
ಬಿ.ಬಿ.ಎಂ.ಪಿ ವ್ಯಾಪ್ತಿಯನ್ವಯ ಗುವ ವಿಭಾಗ

Scanned by CamScanner

Reference to last Measurement 8

ction mat
floating
nery.
etc..
2166671
9513092

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426641

erial No. .....

ame of Work ..... From..... To.....

ame of Contractor of nature of Agency .....

ate of commencement of work .....

ate	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	CERTIFICATE:- Certified that the above work done satisfactory the contractor has removed the debris from site. there is no any dept. materials issued to Contractor. ಸಹಾಯಕ ಅಭಿಯಂತರರು ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ 18/11/2019 ಸಹಾಯಕ ಅಭಿಯಂತರರು ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24 8/11/2019					

Scanned by CamScanner